

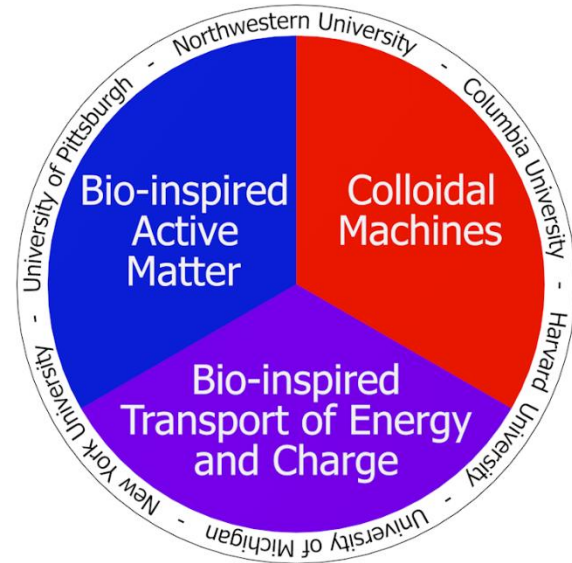
Center for Bio-inspired Energy Science (CBES)

Samuel Stupp (Northwestern University)

CBES mission statement:

To discover and develop bio-inspired systems that reveal new connections between energy and matter.

<http://cbes.northwestern.edu/>



RESEARCH PLAN

Combining theory and experiments, the Center will develop artificial materials and systems that take inspiration from biology. These systems will include materials with bio-inspired functions (artificial muscles, organelles, and adaptive materials), colloidal machines (motors, ensembles of motors, and artificial cells), and energy and charge transport (quantum ratchets and ion pumps).